Contents of Aquatic Botany, Volume 47

VOL. 47 NO. 1 JANUARY	1994
Vertical growth of <i>Thalassia testudinum</i> : seasonal and interannual variability N. Marbà (Girona, Spain), M.E. Gallegos, M. Merino (Mexico D.F., Mexico) and C.M. Duarte (Girona, Spain)	1
The belowground organs of the Méditerranean seagrass Posidonia oceanica as a biogeo- chemical sink	
J. Romero, M. Pérez, M.A. Mateo and E. Sala (Barcelona, Spain)	. 13
C. den Hartog (Nijmegen, The Netherlands)	. 21
J. Webster and B.A. Stone (Bundoora, Vic., Australia)	. 29
J. Webster and B.A. Stone (Bundoora, Vic., Australia)	
D.J. Russell (Everett, WA, USA) and G.H. Balazs (Honolulu, HI, USA)	
Short Communications Rapid in vitro multiplication of the aquatic angiosperm, Anubias barteri var. undulata LC. Huang, YH. Chang and YL. Chang (Taipei, Taiwan)	. 77
Karyomorphological studies in some members of Podostemaceae P.L. Uniyal and H.Y. Mohan Ram (Delhi, India)	. 85
M. Mansor and M. Masnadi (Penang, Malaysia)	91
Announcement from the Publisher	97
VOL. 47 NO. 2 FEBRUARY 1	994
Contribution of GIS to submerged macrophyte biomass estimation and community structure modeling, Lake Geneva, Switzerland	
A. Lehmann, JM. Jaquet and JB. Lachavanne (Geneva, Switzerland)	99
H. Flores (Fraising Cormony)	110

Growth and nutrition of Schoenoplectus validus in agricultural wastewaters C.C. Tanner (Hamilton, New Zealand)	121
Apoplastic and symplastic pathways in leaves and roots of the seagrass <i>Halodule uniner</i> -	
vis (Forssk.) Aschers.	
A.D. Barnabas (Durban, South Africa)	155
Carbon, nitrogen contents and stable carbon isotope abundance in mangrove leaves	100
from an east African coastal lagoon (Kenya)	
R.G. Rao, A.F. Woitchik, L. Goeyens, A. Van Riet (Brussels, Belgium), J. Kazungu	
(Mombasa, Kenya) and F. Dehairs (Brussels, Belgium)	175
(Wolfibasa, Kenya) and T. Denams (Brussels, Beigium)	1/5
Short communications	
Algal periphyton of an unshaded stream in relation to in situ nutrient enrichment and	
current velocity	
M. Ghosh (Shillong, India) and J.P. Gaur (Varanasi, India)	185
Photosynthetic responses of <i>Rhizophora apiculata</i> Blume seedlings to a long-chain ali-	103
phatic alcohol	
K. Kathiresan and P. Moorthy (Tamil Nadu, India)	101
R. Ratinicsan and F. Woortiny (Tanin Nadu, India)	171
Announcement from the Publisher	195
Amount from the 1 abisite	175
VOL. 47 NOS. 3-4 MARCH	1994
Convective gas flow in <i>Eleocharis sphacelata</i> R. Br.: methane transport and release from wetlands	
B.K. Sorrell and P.I. Boon (Albury, N.S.W., Australia)	107
Quantitative importance of particulate matter retention by the roots of Eichhornia cras-	197
sipes in the Paraná floodplain	
A. Poi de Neiff, J.J. Neiff, O. Orfeo (Corrientes, Argentina) and R. Carignan (Ste-	
Foy, Que., Canada)	212
Cultural impacts on macrophytes in the Yahara lakes since the late 1800s	213
S.A. Nichols and R.C. Lathrop (Madison, WI, USA)	225
	223
Growth plasticity in Cymodocea nodosa stands: the importance of nutrient supply	
M. Perez (Barcelona, Spain), C.M. Duarte (Girona, Spain), J. Romero (Barcelona,	240
Spain), K. Sand-Jensen (Hillerød, Denmark) and T. Alcoverro (Barcelona, Spain)	249
Changes to the structure and productivity of a <i>Posidonia sinuosa</i> meadow during and	
after imposed shading	265
D.M. Gordon, K.A. Grey, S.C. Chase and C.J. Simpson (Perth, W.A., Australia)	203
An efficient method for estimating seagrass biomass	277
B.G. Long, T.D. Skewes and I.R. Poiner (Cleveland, Qld., Australia)	211
An improvement of the Zieman leaf marking technique for Zostera marina growth and	
production assessment	
S.E. Ibarra-Obando (Ensenada, Mexico) and C.F. Boudouresque (Marseille,	202
France)	293
Eelgrass meadows in a low arctic environment, the northeast coast of James Bay,	
Québec	
R. Lalumière (Québec, Que., Canada), D. Messier, JJ. Fournier (Montréal, Que.,	
Canada) and C.P. McRoy (Fairbanks, AK, USA)	303
The distribution and utilisation of Zostera species in Strangford Lough, Northern	
Ireland	
A.A. Portig, R.G. Mathers, W.I. Montgomery and R.N. Govier (Belfast, UK)	. 317

Population structure and dispersion pattern in mangroves of Karachi, Pakistan
S.M. Saifullah, S.S. Shaukat and S. Shams (Karachi, Pakistan)
The effect of salinity and inundation on the estuarine macrophyte Sarcocornia perennis
(Mill.) A.J. Scott
J.B. Adams and G.C. Bate (Port Elizabeth, South Africa)
Short communication
Iron deficiency in Nymphoides peltata owing to the exhaustion of dissolved iron in an- aerobic sediments
A. Smolders, J.G.M. Roelofs and G. van der Velde (Nijmegen, The Netherlands) 349
Book reviews
Limnology
British saltmarshes
Announcement from the Publisher
Author Indox